Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

a Harbor Freight Tools Brand

Fluorescent Swing Arm Magnifying Lamp

Visit our website at: http://www.harborfreight.com
Email our technical support at: tech@harborfreight.com

ITEM 60643

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-800-444-3353 as soon as possible.

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Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein.
Tools required for assembly and service may not be included.

⚠WARNING

Read this material before using this product. Failure to do so can result in serious injury. SAVE THIS MANUAL.

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WARNING SYMBOLS AND DEFINITIONS	
⚠	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
⚠ DANGER	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
⚠ WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
⚠ CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
NOTICE CAUTION	Addresses practices not related to personal injury.

IMPORTANT SAFETY INFORMATION

1. CAUTION! TO REDUCE THE RISK OF FIRE – USE ONLY CIRCLINE TYPE 22 WATT LAMP
2. Install Clamp on horizontal surface only. Otherwise lamp arm may fall out of slot and cause a fire while turned on.
3. Do not place under direct sunlight. Magnifying glasses can cause fires if light is directed through them at flammable surfaces. Close cover after every use.
4. Inspect before use. Do not use if parts are loose or damaged.
5. The use of any accessory attachments not recommended by the lamp manufacturer may cause injuries.
6. Do not use lamp for other than intended use.
7. Maintain labels and nameplates on the appliance. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
8. Do not stare at the sun or other light source through the lamp's magnifying lens.
9. This lamp is not a toy. Keep it out of reach of children.
10. WARNING: Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling. (California Health & Safety Code § 25249.5, et seq.)
11. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.
12. Do not use near flammable materials.
13. Wear ANSI-approved impact safety goggles when setting up this product.
14. Maintain products with care. Keep the lamp clean for better and safer performance. Inspect the components periodically. If damaged, have it repaired by a qualified technician
15. Do not use outdoors.
16. **IMPORTANT SAFETY INSTRUCTIONS** This portable luminaire has a polarized plug (one blade is wider than the other) as a feature to reduce the risk of electric shock. This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Never use with an extensioncord unless plug can be fully inserted. Do not alter the plug.
17. Unplug from outlet when not in use and before maintenance or cleaning.
18. Risk of Electric Shock - Use In Dry Locations Only.

Power Cord Safety

1. A short power supply cord is provided to reduce risks resulting from becoming entangled in or tripping over a longer cord.
2. Extension cords are available and may be used if care is exercised in their use.
3. If an extension cord is used:
   a. The marked electrical rating of the extension cord should be at least as great as the electrical rating of the lamp.
   b. The longer cord should be arranged so that it will not drape over the counter top or tabletop where it can be pulled on by children or tripped over.

SAVE THESE INSTRUCTIONS.

Specifications

Electrical Rating	120 V~ / 60 Hz / 22W
Magnification	1.75X
Bulb Type	22W Circline Fluorescent Lamp
Cord Length	72"
Height	46"
Clamp Capacity	2-3/8"

Intertek
4006934

Setup - Before Use:

Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before setup or use of this product.

Functions

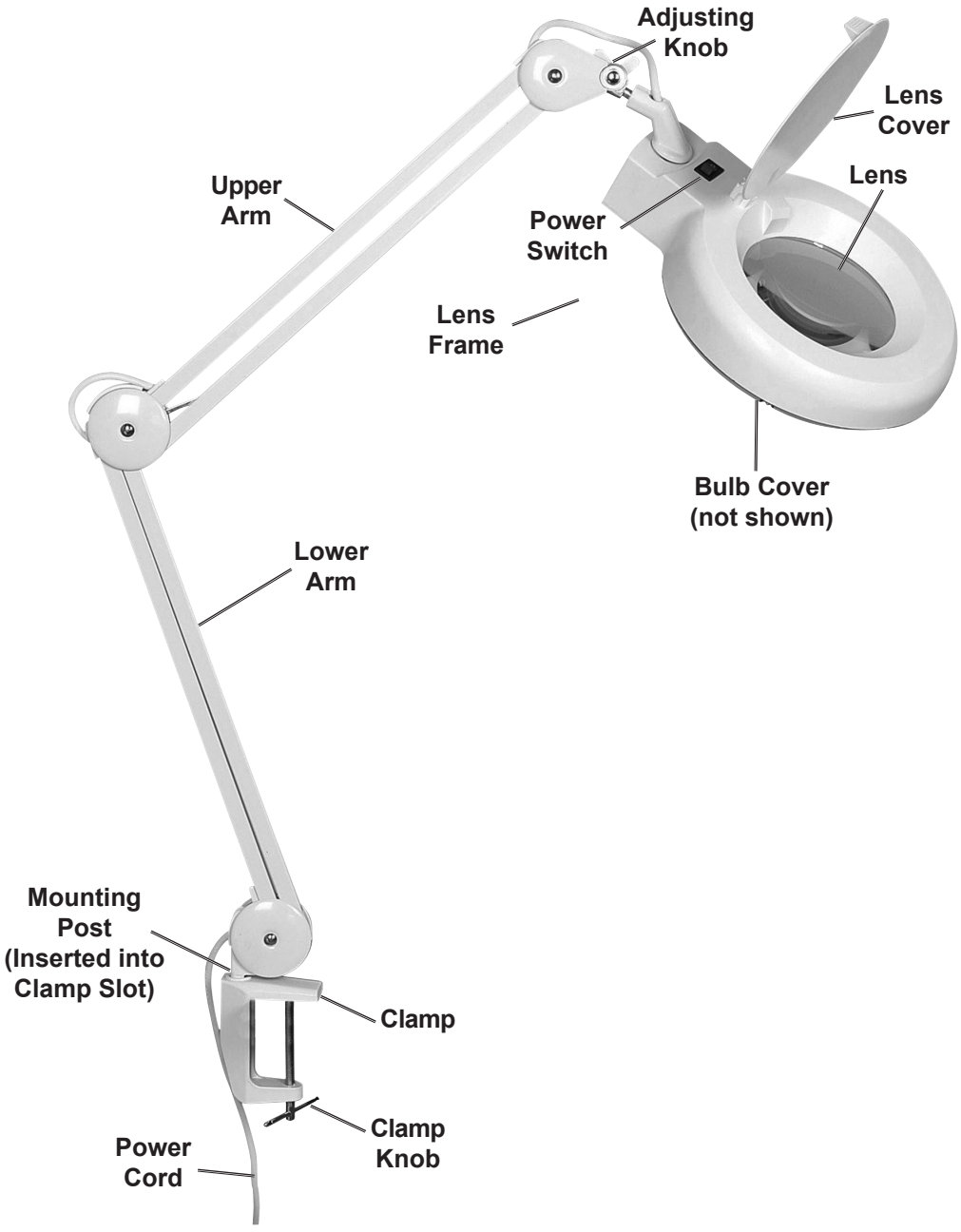


Figure A

Installing Lamp

Note: If needed, place a scrap of non-slip protective material (not included) under Clamp to protect the table.

1. Turn Clamp Knob counterclockwise until there is enough clearance to slide the Clamp onto the table.
2. Place Clamp in desired position, then tighten Clamp Knob until Clamp is secure.
3. Insert Mounting Post into Clamp Slot.

Operation

1. Plug Power Cord into nearest two or three prong outlet.
2. Turn on Lamp by pushing Power Switch to “I” (On) position.
3. Use Swing Arm and Adjusting Knob to reach desired angle.
4. To use Lamp’s lens, lift up Lens Cover.
5. After each use, shut Lens Cover, turn off Lamp by pushing Power Switch to “O” (Off) position and remove Power Cord from outlet.

Maintenance Instructions

Procedures not specifically explained in this manual must be performed only by a qualified technician.

⚠WARNING

TO PREVENT SERIOUS INJURY: Unplug the Lamp, turn the Power Switch off and allow Bulb to cool completely before performing any inspection, maintenance, or cleaning procedures.

1. **BEFORE EACH USE,** inspect the general condition of the Lamp. Check for:
   - loose hardware,
   - cracked or broken parts,
   - damaged electrical wiring or cable insulation, and
   - any other condition that may affect its safe operation.
2. Keep Lamp clean and free of dirt, debris, or grease.
3. For longer working life, protect Lamp from sunlight and moisture.
4. **AFTER USE,** wipe external surfaces of the Lamp with clean cloth.

Replacing Bulb

1. Turn off Lamp and unplug Power Cord from outlet. Allow lamp to cool completely. The Bulb may still be hot even after lamp housing is cool.
2. Lay Lamp down and set Adjusting Knob so that Lamp rests on work area with Bulb facing up.
3. Use a screwdriver (not included) to remove the five Screws securing the Bulb Cover. **(See Figure B.)**
4. Lift Bulb Cover away from Lens Frame.

Note: Be careful when removing Bulb Cover; the Lens is loosely attached to the Lens Frame and may pop out.

5. Remove the three Bulb Clips by removing the Screws securing them. **(See Figure C.)**

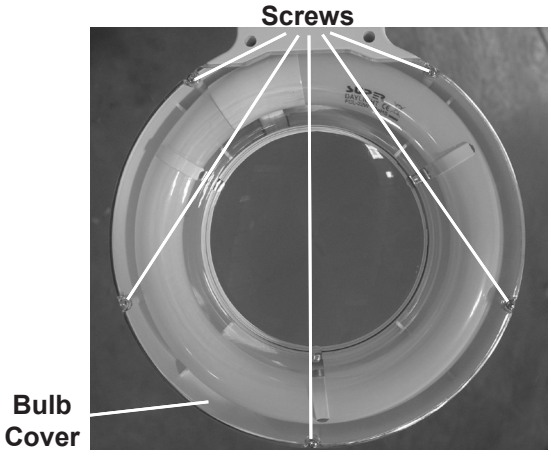


Figure B

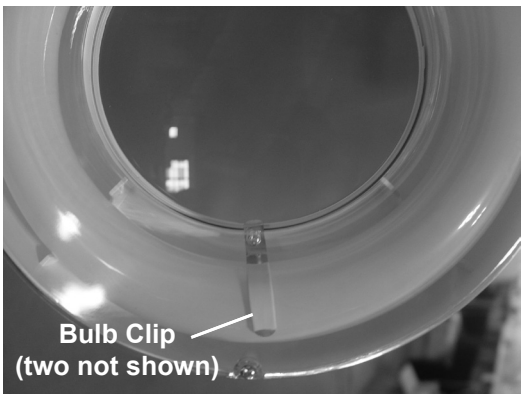


Figure C

6. Pull Bulb out of Bulb Socket. Properly dispose of old Bulb and attach new Bulb to Bulb Socket. **(See Figure D.)**

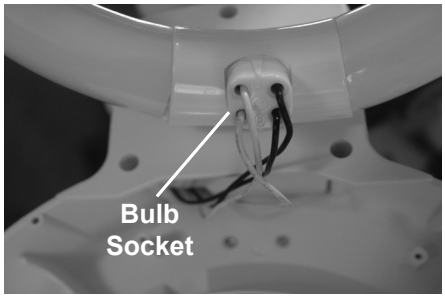


Figure D

7. Replace Bulb Clips and secure with the thee Screws. Do not overtighten.
8. Put Bulb Cover back into place so that screw holes align with holes along Lens Frame.
9. Fasten Bulb Cover to Lens Frame using the five Screws. Do not overtighten.
10. Once all connections are secure, return Lamp to its normal position.

Parts List and Diagram

PLEASE READ THE FOLLOWING CAREFULLY

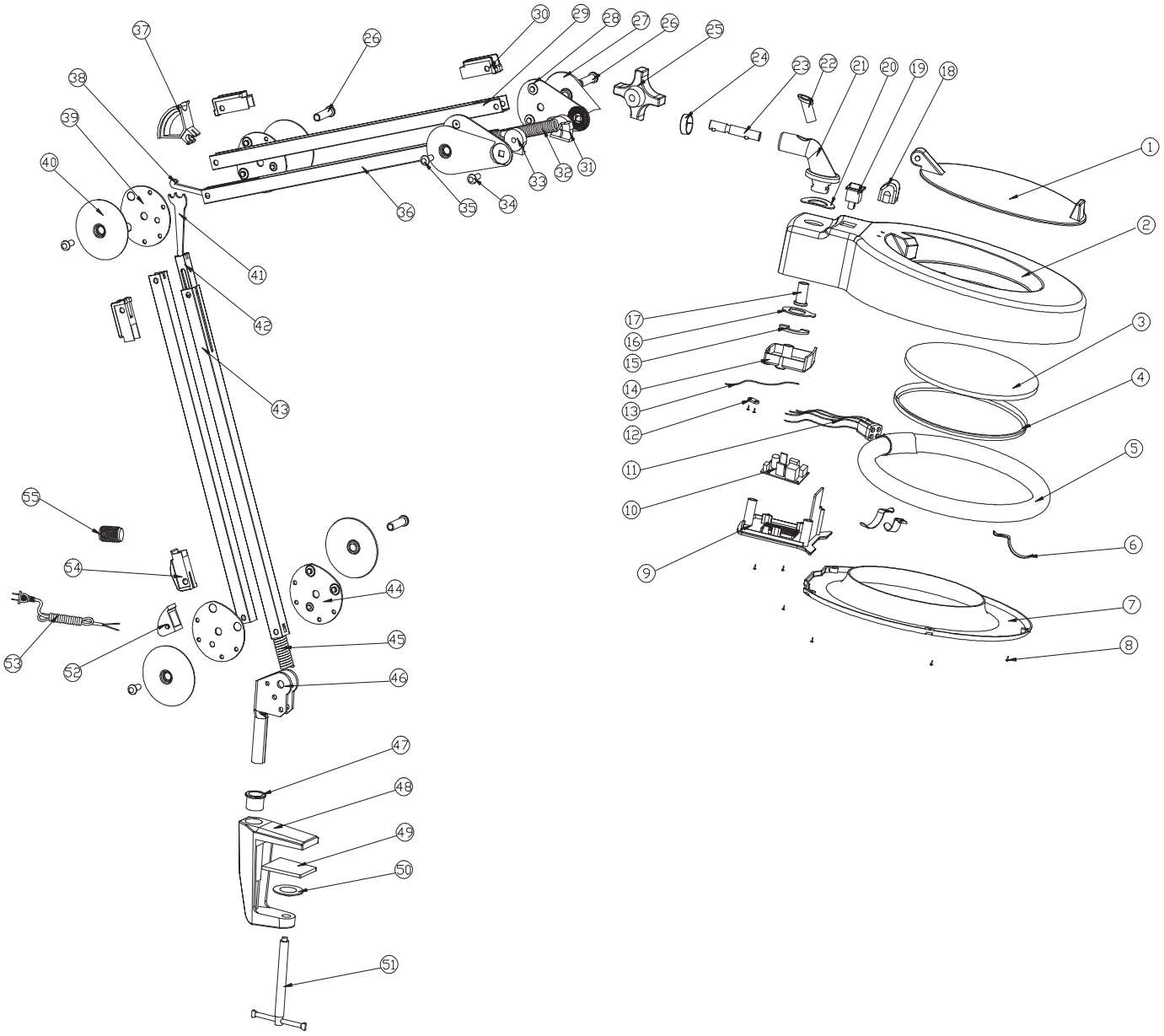
THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

Parts List

Part	Description	Qty
1	Lens Cover	1
2	Lens Frame	1
3	5" Lens	1
4	Lens Gasket	1
5	Bulb	1
6	Bulb Clip	3
7	Bulb Cover	1
8	Screw	19
9	Cover	1
10	Ballast	1
11	Bulb Socket	1
12	Strain Relief	1
13	Switch Connecting Cord	1
14	Inner Cover	1
15	Gasket	1
16	Washer	1
17	Casing 2	1
18	Base for Lens Cover	1
19	Power Switch	1
20	Gasket	1
21	Joint	1
22	Casing 1	1
23	Connector	1
24	Sleeve	1
25	Adjusting Knob	1
26	Joint Screw	3
27	Washer	2
28	Upper Pressure Strip	2

Part	Description	Qty
29	Upper Arm A	2
30	Lower Power Cord Casing C	3
31	Left Pressure Strip	1
32	Tension Spring	1
33	Right Pressure Strip	1
34	Bolt	1
35	Bolt	3
36	Upper Arm B	2
37	Middle Power Cord Casing	1
38	Upper Arm Tension Bracket	1
39	Middle Pressure Plate	2
40	Washer	4
41	Mandril	1
42	Spring Seat	1
43	Lower Arm	1
44	Lower Pressure Plate	2
45	Pressure Spring	1
46	Mounting Post	1
47	Clamp Casing	1
48	Clamp	1
49	Clamp Cushion	1
50	Clamp Plate	1
51	Clamp Handle / Clamp Screw	1
52	Lower Power Cord Casing A	1
53	Power Cord	1
54	Lower Power Cord Casing B	1
55	Power Cord Pressure Screw	1

Assembly Diagram



Record Product's Serial Number Here:_____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only,
and are not available individually as replacement parts.

Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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